

LATEST NOVELTIES AND DARING EXPLOITS OF THE ELYING MEN

Illuminated Airships That Trace Fiery Pictures on the Sky, the "Loop-the-

Loop,"the "Sideways-Roll," the "Upside-Down Flying," and Other Gravity and Death-Defying Feats

side-up is not very highly regarded these days.

Within the past few months professional air-pilots have demonstrated that no manoeuvre is too difficult for the skilled aviator to raising order as far as the spectators were concerned.

Recent aerial exhibitions have repossibilities lie in the illuminated aeroplane. Outlined with electric lights, aeroplanes have been used in England at night and have produced most beautiful effects, rivalling the most elaborate of pyrotechnic displays of former days.

But the aviators' exploits of daring have aroused the most interest. Alphonse Pegoud, the daring French aviator, started the ball rolling last September. He had previously shown his intrepld courage by leaving his aeroplane at a great altitude and descending in a parachute. But that was not enough. He wanted to do the "loop the loop.'

At Juvissy he performed this marvellous manoeuvre in a Bieriot monoplane. After ascending to a height of about 3,000 feet, he started to descend at lightning speed. Then he voluntarily overturned the machine and sped along in its upside-

A N aviator who cannot fly down for about a quarter of a mile.

upside-down as well as rightside-up is not year highly described himself and descended in a series of spiral manoeuvres.

The actual figure described by Pegoud in this flight resembled an S rather than a loop, but the performance was the signal for a series of execute, although most of the feats others in which not only the "loop performed have been of the hair- the loop" proper, but numerous other feats, even more daring and spectacular, were executed.

Within a few days Pegoud added to wealed, too, what splendid spectacular his aerial repertoire so that it included four definite and distinct

> The first number on his programme has already been described. The second is the "loop the loop" proper. Sitting on the outside edge of his machine, Pegoud dives as usual in order to gain momentum, tucks the nose of his machine under him as he does for the upside-down flying and completes the circle, so that when he comes to the top of the are he is flying level and right

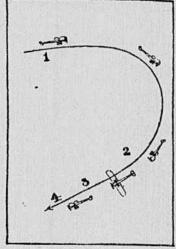
way once more.

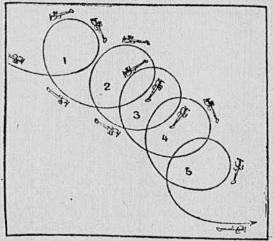
The third contortion might be called the "sideways roll." Falling vertically head down as before and turning onto his back, Pegoud warps his wings to the utmost limits of the control and rolls over sideways into an upright position. This manoeuvre is illustrated in the upper

diagram on this page. The remaining figure is accom-plished as follows: Pegoud climbs steeply upward until his machine comes to a standstill, provoking a deliberate tail-slide. The machine slips backward and then its tail The machine gradually elevates and swings the

"Sideways-Roll" as Executed by Pegoud and Chevilliard. After Falling Vertically Head Down and Turning the Machine on Its Back, the Aviator Rolls Over Sideways And Rights Himself.

The New





The Diagram Shows How Pegoud and Other Daring Aviators Now "Loop-the-Loop" Five Times in Succession. machine into a head-down position

flying is resumed. Since then Pegoud has added several other accomplishments to his programme. Four, five, and even six 'loop the loops" have been executed successively, and there is apparently no limit to the number of times the manoeuvre may be repeated. While in performing these remarkable feats the aviator has usually

been more unruffled than the spectafrom which the aviator executes a curving-dive. This feat is repeated several times before straightaway tors, his experience could hardly have been a very pleasant one. He declared that while flying upside-down the gasoline leaked drop by drop out of his fuel-tank and fell into his face. The draft from the propellor blew it all over him like a spray. "It was just like being in a barber's chair upside-down and being sprayed all over," he remarked.

Within a few weeks after Pegoud demonstrated that the "loop the spiralled down, with wings perpendoop" in an aeroplane was entirely dicular, turning in a little more than

feasible, Maurice Chevilliard, another French aviator, performed a series of daring exploits at Buc which were even more remarkable. Upside-down "stunts," spirals and "loop the loops" were performed in a fifty-mile gale in perfect form.

Chevilliard worked a light-weight stock Farman biplane, using a single light strap around his waist as his only support.

From a height of 800 feet he

the circumference of the machine. He didn't straighten out until within sixty feet of the ground.

duced the "cork-screw loop the loop." Five successive loops were executed. starting at a height of some 2,500 feet, the machine flying sideways and rolling over and over in cork-screw fashion as the loops were described. week later Chevilliard turned somersaults with a passenger in his machine. His feats were recently brought to a temporary stop as the eing made in them

Illuminated Biplane Recently Exhibited in England. The Pyrotechnic Effects Produced Rival Those Formerly Obtained Only with Fireworks.

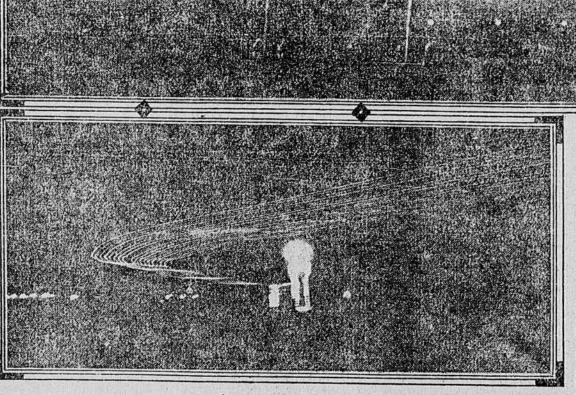
result of a serious injury, which he sustained while "looping the loop" at Antwerp. As soon as he recovers, however, it is believed he will resume his hair-raising work.

But the Frenchmen have not a monopoly on this class of work by

In England, B. C. Hucks quickly demonstrated that upside-down flying was by no means a national eccentricity. At the Hendon Aerodrome, in the suburbs of London, Mr. Hucks executed six "loop-the-loops" in suc-

American aviators have caught the habit, too. Lincoln Beachey, one of the most daring aviators so far produced, has been doing some remarkable work at North Island, California. on one occasion he ascended to an elevation of 3,500 feet and then turned the front of his machine lownward. At about 1,000 feet he prought the machine up with a support later was five swoop and a moment later was fly-A few days later Chevilliard intro- ing head downward. He completed iced the "cork-screw loop the loop," he loop at a 300-feet altitude and hen went directly into the vertical gain, in which position he turned is machine around twice on its wn axis.

The remarkable feature about all hese exploits is that in almost every use regular stock aeroplanes were sed without any important changes



Remarkable Effect Produced by a Rapidly Moving Illuminated Aeroplane at Night.